TBA FIREFLY™

PASSIVE FIRE PROTECTION

TBA Textiles Pty Ltd
ABN: 30 161 422 359
Issue Date: 23/05/2022

47

PHONE: (07) 5411 4209 (Option 2)
OR (02) 8004 3333 (Option 2)

WEBSITE: tbafirefly.com.au
EMAIL: sales@tbafirefly.com.au

TBA FIREFLY™ NON-BREATHABLE NON-COMBUSTIBLE SARKING

EXTRA INFORMATION

All reports and MSDS are readily available by contacting us directly on 07 5411 4209 Option 2

When required, TBA Firefly™ Reinforced TAPE AFRT 75mm x 50m, shall be used to seal joints between the adjacent runs of TBA Firefly™ Non-Breathable Non-Combustible Sarking.

PHYSICAL CHARACTERISTICS

Width: 1250mm
Length: 50m
Thickness: 0.2mm
m² per roll: 62.5
Weight per roll (kg): 14.5
Product Code: EKA161

DESCRIPTION

TBA Firefly™ Non-Breathable Non-Combustible Sarking is an extra heavy duty radiant barrier consisting of a layer of woven glass fabric with aluminium foil laminate.

It is designed to be used as a water barrier or reflective insulation in commercial wall applications. With superior tensile strength and tear resistance, it provides a robust barrier to dirt, dust, draughts, wind driven rain and is suitable for use in bush fire prone areas to provide protection against burning embers.

The TBA Firefly™ Non-Breathable Non-Combustible sarking is a Class 2 Vapour Barrier (in accordance with AS/NZS 4200.1:2017 5.3.4 Vapour control classification)

TBA Firefly™ Non-Breathable Non-Combustible Sarking falls under the Bonded Laminated Materials Clause under C1.9 (e)(vii) in NCC 2019 including Amendment 1 and under C1.9 (e)(vi) in NCC 2016 Amendment 1.

CERTIFICATION

AS1530.1 Non-Combustibility Test: Each layer of the TBA Firefly™ Non-Breathable Non-Combustible Sarking has been tested to AS1530.1 and each layer deemed non-combustible.

AS1530.2 Flammability Index Test: This product achieved a flammability index of 1

AS1530.3 Spread of Flame Index and Smoke Developed Index Test: As this product falls under the Bonded Laminated Materials Clause, it must be subjected to an AS1530.3 test and achieve a result of 0 for Spread of Flame Index and 3 for Smoke Developed Index. This product achieved 0 and 0-1 respectively.

SARKING REQUIREMENTS OF NCC 2019 (Including Amendment 1)

Please Note: AS/NZS 4200.1:2017 was Adopted in NCC 2019. AS/NZS 4200.1:1994 is relevant to all prior versions.

	NCC References	NCC Requirements	Referenced Test Method	TBA Firefly™ Non-Breathable Non-Combustible Sarking Results	Report Reference
Non-Combustibility (AS1530.1), Spread Of Flame Index & Smoke Developed Index (AS1530.3)	C1.9 (e)(vii)	Each Lamina, including any core, is non-combustible; and	AS1530.1 test on foil layer	Non-Combustible	CSIRO FNC12071
			AS1530.1 test on Fortaglas layer	Non-Combustible	CSIRO FNC 11220
		each adhesive layer does not exceed 1mm in thickness and the total thickness of the adhesive layers does not exceed 2mm; and	N/A	0.22 mm total thickness of product	N/A
		the Spread-of-Flame Index and the Smoke-Developed Index of the bonded laminated material as a whole do not exceed 0 and 3 respectively.	AS1530.3	Spread-of-Flame Index: 0 Smoke-Developed Index: 0-1	AWTA 16-003250
Flammability Index (AS1530.2)	C1.9 (e)(vi)	Sarking-type materials that do not exceed 1mm in thickness and have a Flammability Index not greater than 5	AS1530.2	1	AWTA 16-003139
Vapour Permeable/ Vapour Barrier	F6.2 (a)(iii)	Where a pliable building membrane is installed in an external wall, it must be a **vapour permeable** membrane for climate zones 6,7 and 8. Also refer to - AS/NZS 4200.1:2017 5.3.4 Vapour control classification	ASTM E96	Class 2 (Vapour Barrier)	AWTA 21-001096
Water Barrier/ Non-Water Barrier	F1.0 and F1.6	F1.0: Performance Solution to be determined in accordance with NCC A2.2 (3) and A2.4(3)	AS/NZS 4201.4 or Performance Solution	Water Barrier (AS/NZS 4201.4)	AWTA 16-003137
		F1.6: Sarking-type material used for weatherproofing of roofs and walls must comply with AS/NZS 4200.1:2017 and AS 4200.2			
Windload	N/A	As required by the Façade Engineer for each specific building based upon but not limited to, building type and geographical location	AS/NZS 4284	This product was tested as a stand-alone product and achieved the following results Positive Load Sustained: 5.5 kPa Negative Load Sustained: -5.5 kPa	Ian Bennie and Associates 2019-004-S8

SARKING REQUIREMENTS OF NCC 2016 (Including Amendment 1)

	NCC References	NCC Requirements	Referenced Test Method	TBA Firefly™ Non-Breathable Non-Combustible Sarking Results	Report References
Non-Combustibility (AS1530.1), Spread Of Flame Index & Smoke Developed Index (AS1530.3)	C1.9 (e)(vi)	Each Lamina, including any core, is non-combustible; and	AS1530.1 test on foil layer	Non-Combustible	CSIRO FNC12071
			AS1530.1 test on fabric layer	Non-Combustible	CSIRO FNC 11220
		each adhesive layer does not exceed 1mm in thickness and the total thickness of the adhesive layers does not exceed 2mm; and	N/A	0.22 mm total thickness of product	N/A
		the Spread-of-Flame Index and the Smoke-Developed Index of the bonded laminatedmaterial as a whole do not exceed 0 and 3 respectively.	AS1530.3	Spread-of-Flame Index: 0 Smoke-Developed Index: 0-1	AWTA 16-003250
Vapour Barrier Classification	AS/NZS 4200.1:1994	AS/NZS 4200.1:1994 Clause 6.2	ASTM E96	Medium	AWTA 21-001096
Water Barrier/ Non-Water Barrier	F1.0 and F1.6	F1.0: Performance Solution to be determined in accordance with A0.7	AS/NZS 4201.4 or Performance Solution	Water Barrier (AS/NZS 4201.4)	AWTA 16-003137
		F1.6: Sarking-type material used for weatherproofing of roofs and walls must comply with AS/NZS 4200:1994 Parts 1 and 2.			
Windload	N/A	As required by the Façade Engineer for each specific building based upon but not limited to, building type and geographical location	AS/NZS 4284	This product was tested as a stand-alone product and achieved the following results Positive Load Sustained: 5.5 kPa Negative Load Sustained: -5.5 kPa	Ian Bennie and Associates 2019-004-S8